Briefing Summary: GAMA- Domestic Well Project in San Diego County 2008-2009

The GAMA Domestic Well Project sampled in San Diego County from April 29 to June 20, 2008 and again from December 2 to January 22, 2009. The San Diego County Focus Area sampled 137 domestic wells.

The sampled wells were located in Ramona, Fallbrook, Boulevard, El Cajon, Lakeside, Alpine, Descanso, Dulzura, Jacumba, Campo, Jamul, Rancho Santa Fe, Escondido, Santa Ysabel, Julian, Valley Center, Pauma Valley, Warner Springs and Borrego Springs.

Truesdail Laboratories analyzed and delivered testing results in pdf, edf and hard copies of the Routine and Non-Routine Analyses. The edf and pdf reports were uploaded into the GeoTracker database.

Routine Analytes with concentrations **above** a drinking water standard - Primary MCL, Secondary MCL and NL's):

- **Total coliform**: 25% (34 of 137).
- **Nitrate**: 18% (25 of 137) wells.
- **TDS**: 16% (22 of 137) wells
- **Specific Conductance**: 15% (20 of 137) wells
- **Perchlorate**: 4% (5 sites) of the wells sampled
- **Chloride, Arsenic and Boron**: 2% (3 sites)
- **Sulfate, vanadium, cadmium, zinc**: 1%(2 sites)
- **Barium and Fluoride**: below 1% (1 site)
- **Organic compounds**: all below drinking water standards.

For Non- Routine Analyses, 54 sites were selected for radionuclides, 38 sites for pesticides and seven for both radionuclide and pesticides. Significant findings different from previous GAMA Domestic Well Project county focus areas included the following detections above drinking water standards:

- **Gross Alpha** 35% (19 of 54 wells)
- **Uranium** 30% (16 of 54 wells)
- **Manganese** 33% (45 of 137 wells)
- **Pesticides** were not detected

Well owners will receive letters with the results and supporting documents explaining the results. We are recommending that well owners have their well water re-tested and to test annually according to the USEPA recommendations. Also, a list of CDPH-certified environmental laboratories in the San Diego area is included in the results package.